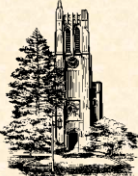**MICHIGAN STATE**
U N I V E R S I T Y

09/16: Team Status Reports

CSE 498, Collaborative Design

Wayne Dyksen

Department of Computer Science and Engineering
Michigan State University

Fall 2009

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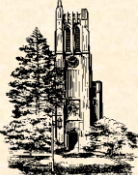Wayne Dyksen

Department of Computer Science and Engineering
Michigan State University

Fall 2009

Team 1 Status Report (1 of 4)

Team 1, Auto Owners

- Client Contact
  - On-site visit (9/11)
  - Set up weekly conference call
- Team Meetings
  - Regular weekly schedule arranged
  - Triage meetings organized
- Team Organization
  - One platform per developer
  - Luke - System Administrator & Project Manager
  - Lovelesh - Windows Mobile
  - Rick - iPhone & Webmaster

Team 1 Status Report (2 of 4)

Team 1, Auto Owners

- Server Systems / Software
  - Linux server
  - Backed up nightly to off-site system
- Development Systems / Software
  - Subversion source control
  - VS2008, Eclipse, Xcode – mobile SDK plugins
- Web Site
  - Apache server
  - Basic info and layout

Team 1 Status Report (3 of 4)

- Project Definition
  - Research possibilities of each mobile platform
  - Develop sample applications on all platforms
  - Locate nearby agents
  - Gather and submit claim information
- Project Plan Document
  - Basic skeleton created
  - Basic requirements/risks identified

Team 1. Auto Owners

Team 1 Status Report (4 of 4)

- Risks
  - Risk 1
    - Mobile SDK's and Layout design
    - Learn SDK, look at existing applications
  - Risk 2
    - Share code/information between platforms
    - Platforms use different languages, so web based? Etc.
  - Risk 3
    - Implementing phone-specific features (GPS, etc)
    - Sample code, prototyping
  - Risk 4
    - Connecting to Auto-Owners web services via mobile device
    - Create usable stubs, test/dummy web services.

Team 1. Auto Owners

Team 2 Status Report (1 of 4)

- Client Contact
  - Two conference calls so far, scheduled weekly
  - Clarified requirements, had plan of action approved
- Team Meetings
  - Two team meetings so far, scheduled weekly
  - Informal meetings regularly
- Team Organization
  - Patrick and Alex handling OSG Application
  - James and Adam handling SVT Library

Team 2. Boeing

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Team 2 Status Report (2 of 4)

- Server Systems / Software
  - SharePoint extensions for FrontPage
  - Tortoise SVN with repository on website
- Development Systems / Software
  - Visual Studio 2005 / 2008
  - OpenSceneGraph / XNA
- Web Site
  - Website up and running
  - Basic team information up

Team 2. Boeing

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Team 2 Status Report (3 of 4)

- Project Definition
  - Accept geographic coordinates
  - Pull textures too large for video memory into RAM
  - Create page table that points to chunks of texture
  - Load chunks required by pixel shader into video memory and draw as if entire texture was present
  - General enough to be an OSG plugin
- Project Plan Document
  - Skeleton done
  - Made progress describing specifications
  - Began identifying risks

Team 2. Boeing

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Team 2 Status Report (4 of 4)

- Risks
  - Risk 1
    - Performance, compressing textures vs. loading them raw
    - Lots of testing, quality settings
  - Risk 2
    - Cutting edge subject, lack of literature
    - Exploit what literature we do have, lots of trial and error
  - Risk 3
    - Nebulous material, lots of unknown risks
    - Leaving extra time for errors in scheduling, if all goes well we'll be ahead of schedule

Team 2. Boeing

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Team 3 Status Report (1 of 4)

- Client Contact
  - Meetings scheduled weekly for Friday at 1:30pm.
  - Scheduled face-to-face meeting for October 16th.
- Team Meetings
  - Team meetings scheduled for after weekly client contact.
  - Triage meeting scheduled for Fridays at 12:30.
- Team Organization
  - Client Contact: Andrew Gerber
  - Subversion Manager: Jesse Hacker
  - Other Duties: TBD

Team 3.GE

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Team 3 Status Report (2 of 4)

- Server Systems / Software
  - Server: IIS 6
  - SVN: XP-Dev
- Development Systems / Software
  - X-Plane SDK
  - OpenGL and GL Studio
- Web Site
  - Admin: Andy Inman
  - Updated Regularly

Team 3.GE

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Team 3 Status Report (3 of 4)

- Project Definition
  - Model the PFD of an airplane.
  - Stream Terrain data from X-Plane to PFD.
  - Include other "useful" gadgets in PFD. Such as elevation, speed and fuel.
  - PFD will be connected to X-Plane via network.
- Project Plan Document
  - Basic plan started
  - Basic Schedule outlined
  - Person in charge: Justin Kienle

Team 3.GE

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Team 3 Status Report (4 of 4)

- Risks
  - Feasibility of streaming terrain data.
    - Terrain data is in specialized format that may not be accessible outside X-Plane.
    - Find alternate ways to create mesh from other data.
  - Open ended-ness
    - Large part of project was determined to be "personal innovation/rapid prototyping" by client.
    - Constant client contact to ensure product meets their goals.
  - Software Licensing
    - Some client recommended software may not be feasible to obtain.
    - Find other platforms to work with.

Team 3.GE

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Team 4 Status Report (1 of 4)

- Client Contact
  - Introduction, General Overview of Dashboard
  - Integration with BMC Remedy
- Team Meetings
  - Software, project requirements
  - Database design
- Team Organization
  - Bing – Database schema
  - Kareem – VS2008 integration
  - John – MSSQL migration
  - Matt – Sharepoint management

Team 4. Meijer

Team 4 Status Report (2 of 4)

- Server Systems / Software
  - Installed and configured Windows Server 2008, SQL Server 2008, MOSS 2007 Enterprise, Windows SharePoint Services 3.0
- Development Systems / Software
  - Installed and configured Visual Studio 2008, SharePoint Designer, Office 2007
  - Importing Excel sheet using C# 3.0
- Web Site
  - Created website with team information

Team 4. Meijer

Team 4 Status Report (3 of 4)

- Project Definition
  - Normalize BMC Remedy Data
  - Develop Dashboard System to visualize ITS trending through MOSS
- Project Plan Document
  - Create database
  - Import Excel data into SQL Server Database
  - Design dashboard
  - Integrate with MOSS
  - Integrate with Meijer's current system

Team 4. Meijer

Team 4 Status Report (4 of 4)

- Risks
  - Database Table
    - Inconsistencies
    - Coordinate with client
  - SharePoint
    - Limited resources
    - Trial and Error
  - GUI Design
    - Client Expectations
    - Precision of summarized information
  - Ajax
    - No experience
    - MOSS compatability

Team 4. Meijer

Team 5 Status Report (1 of 4)

- Client Contact: Kabe VanderBaan
  - Five conference calls so far (one more today)
  - New schedule: Every week, Wednesday, 6pm
  - Lots of communication via Skype\Aim\Email
- Team Meetings
  - Weekly meeting with Matt, Friday, 2pm
  - Meet in the lab at 6pm (almost) every day
- Team Organization
  - Client contact: Mary Fetsco
  - Using email and google calender to coordinate

Team 5. Motorola

Team 5 Status Report (2 of 4)

- Server Systems / Software
  - Initially ran into problems with Motorola VPN system, but we currently have it working
  - 'Motorola Compass' provides wiki, coding standards, etc.
- Development Systems / Software
  - Using the two Windows 7 boxes with Windows Virtual PC running Windows XP
  - Will be receiving 1 or 2 iMac(s) for iPhone development shortly
- Web Site
  - Currently up and running

Team 5. Motorola

Team 5 Status Report (3 of 4)

- User Generated Video Service for the iPhone
  - Write iPhone App
  - Video recorded will interface with social network
  - Social network interfaces with cable headend
  - Videos shareable to friends using VOD service
- Project Plan Document
  - Skeleton document made
  - Currently under tight Friday deadline
  - Going to be starting major work on document this weekend

Team 5. Motorola

Team 5 Status Report (4 of 4)

- Risks
  - Set top box development
    - Cable "headend" needs to interface w/ social network
    - Look at existing code, figure it out
  - Figuring out existing code
    - Motorola code plus the previous capstone group's code
    - Looking at it, and using help of Kabe
  - iPhone development
    - None of us have any Objective-C develop experience
    - Tutorials and books
  - RESTful web services
    - A wrapper on the java servlet using "REST"
    - Kabe, limited online tutorials, books (if we can find them)

Team 5. Motorola

Team 6 Status Report (1 of 4)

- Client Contact
  - In person kick-off meeting 9-04-2009
  - Bi-weekly meetings starting 9-11-2009
- Team Meetings
  - 3 meetings, established weekly schedules
  - Weekly triage meetings starting 9-12009
- Team Organization
  - Dan: Client contact, Web Master
  - Paul: Tester, Customer Contact
  - Eric: Systems Administrator
  - Jon: Project Management, Tester

Team 6. TechSmith

Team 6 Status Report (2 of 4)

- Server Systems / Software
  - SVN
  - Offsite Team Foundation Server hosted by TechSmith
- Development Systems / Software
  - Microsoft Silverlight & Microsoft Expression Blend
  - Team Foundation Server SDK
- Web Site
  - Up and running
  - What's New, Team Info, Team Meetings, Other Links Established

Team 6. TechSmith

Team 6 Status Report (3 of 4)

- Project Definition
  - Cross Platform Interface to Team Foundation Server
  - Integration with TechSmith's current workflow
  - Incorporate a broad user base within the company
- Project Plan Document
  - Established Project Plan Format
  - Established a Feature List
  - Identified major project risks
  - Evaluated risk priority and mitigation

Team 6. TechSmith

Team 6 Status Report (4 of 4)

- Risks
  - Team Foundation Server
    - Development with an off-site, no access server
    - Very positive client contact, careful resource usage
  - Silverlight and TFS API
    - How does Silverlight talk to TFS?
    - Immediate prototype and sample references
  - Feature Creep/Clarity
    - A lot of input from a variety of sources
    - Break down main functionality requests into milestones
  - Interface Customization
    - Project templates differ greatly
    - Define commonalities and include user configuration

Team 6. TechSmith

Team 7 Status Report (1 of 4)

- Client Contact
  - Participated in 2 conference calls thus far
  - In process of scheduling permanent time
- Team Meetings
  - Following weekly time schedule
- Team Organization
  - Andy: System Administrator
  - Brett: Project Plan design
  - James: Client Contact
  - Dynamic structure beyond that

Team 7. Toro

Team 7 Status Report (2 of 4)

- Server Systems / Software
  - Windows Server 2003 SP2
  - IIS Application Server v6.0
  - Running Microsoft Access
- Development Systems / Software
  - Visual C# / ASP.NET
  - OpenGL
- Web Site
  - Up and running with current team updates
  - Classy design!

Team 7. Toro

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Team 7 Status Report (3 of 4)

Team 7. Toro

- Project Definition
  - Internal replacement/upgrade for Space PRO
  - Web-based application
  - Multiple modes (Manual/Automatic)
  - Graphing MS Access data (densograms, radius graphic)
  - Manipulable graphic interface
  - Transparency in calculations
- Project Plan Document
  - Skeleton created
  - Timeline established for initial flesh-out

Team 7 Status Report (4 of 4)

Team 7 : Toro

- Risks
  - Graphing capabilities
    - Need to display densograms/radius graphic without utilizing additional programs
    - OpenGL, libraries, open-source code?
  - Interactive GUI
    - Client wants to be able to set/move sprinklers on a 20 x 20 grid
    - www.google.com
  - Excel output/printing
    - Need to be able to export data to Excel or print directly from program
    - Microsoft Knowledge Base?

Team 8 Status Report (1 of 4)

Team 8. Urban Science

- Client Contact
  - Conducted two conference calls with client
  - On-site visit to Renaissance Center Friday
  - Weekly conference calls set up
- Team Meetings
  - Communicate daily with team members
  - Triage meeting set for every Monday
- Team Organization
  - Using Google Calendar for team schedule communication
  - Creating project schedule with individual roles

Team 8 Status Report (2 of 4)

Team 8. Urban Science

- Server Systems / Software
  - Installed SQL Server 2008

- Development Systems / Software
  - Installed Visual Studio 2005
  - Installed ChartFX and Dundas Dashboard Trial Software
- Web Site
  - Web site up and running
  - Basic content populated

Team 8 Status Report (3 of 4)

Team 8. Urban Science

- Project Definition
  - Developing Automobile Dealership Dashboard to provide information about the performance of dealerships across the country
    - Different views for different dealership departments and OEM field personnel
  - Determined that an expandable database schema must be designed using SQL Server 2008
  - Narrowed down to three dashboard software packages (ChartFX, Dundas, iDashboard)
- Project Plan Document
  - Basic Skeleton Drafted
    - Executive Summary Drafted
    - Context (Architecture) Diagram Drafted
    - 10 Requirements Drafted and Reviewed by Client

Team 8 Status Report (4 of 4)

Team 8. Urban Science

- Risks
  - Unable to Obtain Dashboard Software License
    - Downloaded trial software that will expire. In need of full version key
    - Discussed with Urban Science to give us a key
  - No Samples of Client Databases
    - We have no sample data to begin designing database schema
    - Visiting Detroit to sign agreement to gain access to client data
  - How do Chart Software, .NET and SQL Server integrate together?
    - Unfamiliar with technologies required
    - Download required software, read documentation